



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 177168

TO: Joseph Woitach
Location: REM/2D51/2C18
Art Unit: 1632
Tuesday, January 24, 2006
Case Serial Number: 10/053753

From: Kristine Hensle
Location: Biotech-Chem Library
REM-1B69
Phone: (571) 272-4161

Kristine. Hensle@uspto.gov

Search Notes

Examiner Woitach,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Kristine Hensle
Librarian
STIC Biotech/Chem Library
(571)272-4161

STIC-Biotech/ChemLib

177/68

From: Woitach, Joseph
Sent: Friday, January 20, 2006 3:10 PM
To: STIC-Biotech/ChemLib
Subject: sequence search request for application 10053753

Hello,

I am preparing to allow 10/053,753.
Please do an interference search for SEQ ID NO: 4.

Thank you,
Joe

Joseph Woitach, Ph.D.
USPTO Patent Examiner, Art Unit 1632
Remsen Building 2-D51
400 Dulany Street
Alexandria, VA 22314

phone: (571) 272-0739

RECEIVED
JAN 20 2006
STIC

Searcher:_____
Searcher Phone:_____
Date Searcher Picked up:_____
Date completed:_____
Searcher Prep Time:_____
Online Time:_____

Type of Search
NA#_____ AA#_____
S/L:_____ Oligomer:_____
Encode/Transl:_____
Structure #:_____ Text:_____
Inventor:_____ Litigation:_____

Vendors and cost where applicable
STN:_____
DIALOG:_____
QUESTEL/ORBIS:_____
LEXIS/NEXIS:_____
SEQUENCE SYSTEM:_____
WWW/Internet:_____
Other (Specify):_____

Pending Nucleic Acid and Pending Amino Acid database searches generate two sets of results each. The Pending databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Searches run against the Nucleic Acid Pending database produce two sets of results, with the extensions .nrpm and .nrpn

Searches run against the Amino Acid Pending database produce two sets of results, with the extensions .rapm and .rapn

Because they contain data that is confidential, the results of Pending database searches should not be left in the case.

BEST AVAILABLE COPY

November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New).

Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).

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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:23:21 ; Search time 24 Seconds
(without alignments)
1312.476 Million cell updates/sec

Title: US-10-053-753A-4
Perfect score: 2116
Sequence: 1 MSSRIARALALVLTLLHLTR.....ANEAAFPYRLFDIHKFRD 381

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/aa/5 COMB.pep.*
2: /cgn2_6/ptodata/1/aa/6 COMB.pep.*
3: /cgn2_6/ptodata/1/aa/H COMB.pep.*
4: /cgn2_6/ptodata/1/aa/PCTUS COMB.pep.*
5: /cgn2_6/ptodata/1/aa/RE COMB.pep.*
6: /cgn2_6/ptodata/1/aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2116	100.0	381	2	US-09-142-569-4
2	2116	100.0	381	2	US-09-495-448A-4
3	2106	99.5	381	2	US-09-348-815-2
4	1971.5	93.2	374	1	US-08-468-847B-12
5	1964.5	92.8	375	1	US-08-459-101A-2
6	1929	91.2	379	1	US-08-468-847B-11
7	1929	91.2	379	2	US-09-142-569-2
8	1929	91.2	379	2	US-09-495-448A-2
9	1695	80.1	375	1	US-08-468-847B-13
10	1695	80.1	375	2	US-09-495-448A-33
11	953	45.0	347	2	US-09-582-337-2
12	952.5	45.0	348	2	US-09-292-036-3
13	948.5	44.8	348	1	US-08-468-847B-15
14	948.5	44.8	348	2	US-09-142-569-6
15	948.5	44.8	348	2	US-09-495-448A-6
16	948	44.8	347	2	US-09-187-478-2
17	948	44.8	347	2	US-09-292-036-2
18	947	44.8	349	1	US-08-167-628-2
19	947	44.8	349	1	US-08-386-680-2
20	947	44.8	349	1	US-08-459-717-2
21	947	44.8	349	1	US-08-712-302-2
22	947	44.8	349	1	US-08-880-031-2
23	947	44.8	349	2	US-09-054-368-2
24	947	44.8	349	2	US-09-097-179-2
25	947	44.8	349	2	US-09-054-274-2
26	947	44.8	349	2	US-09-080-715-2
27	947	44.8	349	2	US-09-056-704-2

28	947	44.8	349	2	US-09-252-036-4	Sequence 4, Appli
29	947	44.8	349	2	US-09-253-316-26	Sequence 26, Appli
30	947	44.8	349	2	US-09-142-569-8	Sequence 8, Appli
31	947	44.8	349	2	US-09-461-688-2	Sequence 2, Appli
32	947	44.8	349	2	US-09-495-448A-8	Sequence 8, Appli
33	947	44.8	349	2	US-09-949-016-6141	Sequence 6141, Ap
34	947	44.8	349	4	PCT-US96-08140-2	Sequence 2, Appli
35	938.5	44.4	348	1	US-08-468-847B-14	Sequence 14, Appli
36	851.5	40.2	351	1	US-08-468-847B-16	Sequence 16, Appli
37	851.5	40.2	351	2	US-09-495-448A-34	Sequence 34, Appli
38	827.5	39.1	357	1	US-08-468-847B-17	Sequence 17, Appli
39	827.5	39.1	357	2	US-09-253-316-25	Sequence 25, Appli
40	767	36.2	367	2	US-09-182-145-8	Sequence 4, Appli
41	767	36.2	367	2	US-09-182-145-8	Sequence 8, Appli
42	767	36.2	367	2	US-09-949-016-6430	Sequence 6430, Ap
43	767	36.2	370	2	US-09-949-016-10033	Sequence 10033, A
44	766	36.2	367	2	US-09-182-145-7	Sequence 7, Appli
45	766	36.2	367	2	US-09-182-145-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1
US-09-142-569-4
; Sequence 4, Application US/09142569
; Patent No. 6413735
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142.569
; FILING DATE: 02-Apr-1999
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 381 amino acids
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Human Cyt61 amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-142-569-4

Query Match 100.0%; Score 2116; DB 2; Length 381;
Best Local Similarity 100.0%; Pred. No. 4.6e-176;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

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|||||

Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
 Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Qy 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Qy 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Db 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300
 Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300
 Qy 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSCCKNCP 360
 Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSCCKNCP 360
 Qy 361 HANEAAFPFVRLFNHFKFRD 381
 Db 361 HANEAAFPFVRLFNHFKFRD 381

RESULT 2

US-09-495-448A-4
 ; Sequence 4, Application US/09495448A
 ; Patent No. 6790606
 ; GENERAL INFORMATION:
 ; APPLICANT: LAU, Lester F.
 ; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALING MOLECULES
 ; FILE REFERENCE: 28758/36072
 ; CURRENT APPLICATION NUMBER: US/09/495,448A
 ; CURRENT FILING DATE: 2000-01-31
 ; PRIOR APPLICATION NUMBER: 09/142,569
 ; PRIOR FILING DATE: 1999-04-02
 ; PRIOR APPLICATION NUMBER: 60/013,958
 ; PRIOR FILING DATE: 1996-03-15
 ; NUMBER OF SEQ ID NOS: 34
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 381
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-495-448A-4

Query Match 100.0%; Score 2116; DB 2; Length 381;
 Best Local Similarity 100.0%; Pred. No. 4.6e-176;
 Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
 Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
 Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Qy 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Qy 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Db 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300
 Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300

Qy 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSCCKNCP 360
 Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSCCKNCP 360
 Qy 361 HANEAAFPFVRLFNHFKFRD 381
 Db 361 HANEAAFPFVRLFNHFKFRD 381
 RESULT 3
 US-09-348-815-2
 ; Sequence 2, Application US/09348815
 ; Patent No. 6534630
 ; GENERAL INFORMATION:
 ; APPLICANT: LI, HAODONG
 ; ADAMS, MARK D
 ; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR-2
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSES: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; COUNTRY: US
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/348,815
 ; FILING DATE: 08-Jul-1999
 ; CLASSIFICATION: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: JONATHAN L. KLEIN
 ; REGISTRATION NUMBER: 41,119
 ; REFERENCE/DOCKET NUMBER: PF126PID1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 301-309-8504
 ; TELEFAX: 301-309-8439
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 381 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-09-348-815-2

Query Match 99.5%; Score 2106; DB 2; Length 381;
 Best Local Similarity 99.5%; Pred. No. 3.4e-175;
 Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
 Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
 Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCCEYNRIYONGESFPQNCQH 120
 Qy 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLLG 180
 Qy 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Db 181 KELGPDASEVELTRNNELIYVNGKSLKRLPVFGMEPRILYNPLQOKKCIQVTTSSQCS 240
 Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300
 Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLLKGGKSKTKKSPPEVRFTY 300

QY 180 GKELGFDASVELTRNNELIAVKGKSLKELPVFGMEPRILYNPLQOQKCIIVQTTWSQ 239
DB 181 GKELGFDASVELTRNNELIAVKGKSLKELPVFGMEPRILYNPLQOQKCIIVQTTWSQ 240
QY 240 SKTCGTGISTRTVNDNPECELVKTRICEVRPCGQPVYSSLLKKGKCKTKKSPVPVRF 299
DB 241 SKTCGTGISTRTVNDNPECELVKTRICEVRPCGQPVYSSLLKKGKCKTKKSPVPVRF 300
QY 300 YAGCLSVKKYRPKYCGSCVDGRCTPQLTRTVKRFCEDEGETFSKNVMMIQSKCKNYNC 359
DB 301 YAGCLSVKKYRPKYCGSCVDGRCTPQLTRTVKRFCEDEGETFSKNVMMIQSKCKNYNC 360
QY 360 PHANEAAFPYRLP 373
DB 361 PHANEAAFPYRLP 374

RESULT 6

US-08-468-847B-11
; Sequence 11, Application US/08468847B
; Patent No. 5780263
; GENERAL INFORMATION:
; APPLICANT: Hastings, Gregg A. and Adams, Mark D.
; TITLE OF INVENTION: Human CCN-Like Growth Factor
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLIAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,847B
; FILING DATE: 6 June 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-442
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-468-847B-11

Query Match 91.2%; Score 1929; DB 1; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;
QY 1 MSSRIARALAVVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVC AKQL 60
DB 1 MSSSTFRTLAVAVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVC AKQL 60
QY 61 NEDCSKTPQCDHTKGLGECNFGASSTALKGICRAQSEGRECEVNSRYQNGESFQPCNKHQ 120
DB 61 NEDCSKTPQCDHTKGLGECNFGASSTALKGICRAQSEGRECEVNSRYQNGESFQPCNKHQ 120

QY 121 CTCIDGAVGCIPLCQELSLPNCNPNRLVKVTCQCEWVCDSDSIKDPMEDODGLLG 180
DB 121 CTCIDGAVGCIPLCQELSLPNCNPNRLVKVTCQCEWVCDSDSIKDLDDQDDL-- 178
QY 181 KELGFDASVELTRNNELIAVKGKSLKELPVFGMEPRILYNPL--QGOKCIVQTTWSQ 238
DB 179 --LGLDASVELTRNNELIAVKGKSLKELPVFGTEPRVLFNPLHAHGKQKCIIVQTTWSQ 236
QY 239 CSKTCGTGISTRTVNDNPECELVKTRICEVRPCGQPVYSSLLKKGKCKTKKSPVPVRF 298
DB 237 CSKTCGTGISTRTVNDNPECELVKTRICEVRPCGQPVYSSLLKKGKCKTKKSPVPVRF 296
QY 299 TYAGCLSVKKYRPKYCGSCVDGRCTPQLTRTVKRFCEDEGETFSKNVMMIQSKCKNYNC 358
DB 297 TYAGCLSVKKYRPKYCGSCVDGRCTPQLTRTVKRFCEDEGETFSKNVMMIQSKCKNYNC 356
QY 359 PHANEAAFPYRLPNDHKPRD 381
DB 357 PHANEAAFPYRLPNDHKPRD 379

RESULT 7

US-09-142-569-2
; Sequence 2, Application US/09142569
; Patent No. 6413735
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142,569
; FILING DATE: 02-Apr-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Mouse Cyt61 amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-142-569-2

Query Match 91.2%; Score 1929; DB 2; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;
QY 1 MSSRIARALAVVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVC AKQL 60
DB 1 MSSSTFRTLAVAVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVC AKQL 60

QY 61 NEDCSKTQPCDHTKGLNCFNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLNCFNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 180
QY 181 KELGFDASEVELTRNNELIAGKRSKRLPLVFGMEPRILYNPL--OQCKICVOTTSWQ 238
Db 179 --LGLDASEVELTRNNELIAGKSSKRLPLVFGTEPRVLPNPLHAHQCKICVOTTSWQ 236
QY 239 CSKTCGTGISTRVTDNPECLRVKTRICVRPCQPVYSSLKGGKCKTKKSPPEVPVF 298
Db 237 CSKSCGTGISTRVTDNPECLRVKTRICVRPCQPVYSSLKGGKCKTKKSPPEVPVF 296
QY 299 TYAGCLSVKVRPKYCGSCVDGRCTPQLTRTVGRFRCEDEGTFSKNVMIOQCKCNYN 358
Db 297 TYAGCSSVKYRPKYCGSCVDGRCTPQLTRTVGRFRCEDEGTFSKNVMIOQCKCNYN 356
QY 359 CPHANEAAFPFVRLFNHDKFRD 381
Db 357 CPHNEASFRLYSLFNHDKFRD 379

RESULT 8

US-09-495-448A-2

; Sequence 2, Application US/09495448A

; Patent No. 6790606

; GENERAL INFORMATION:

; APPLICANT: LAU, Lester F.

; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALING MOLECULES

; FILE REFERENCE: 28758/36072

; CURRENT FILING DATE: 2000-01-31

; PRIOR FILING DATE: 1999-04-02

; PRIOR APPLICATION NUMBER: 60/013,958

; PRIOR FILING DATE: 1996-03-15

; NUMBER OF SEQ ID NOS: 34

; SOFTWARE: Patent in Ver. 2.0

; SEQ ID NO 2

; LENGTH: 379

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-495-448A-2

Query Match 91.2%; Score 1929; DB 2; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;

QY 1 MSSRIARALAVVTLHLTRIALSTCPAACHCPLEAPKAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSSTFRTLAVAVTLHLTRIALSTCPAACHCPLEAPKAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLNCFNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLNCFNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 180
QY 181 KELGFDASEVELTRNNELIAGKRSKRLPLVFGMEPRILYNPL--OQCKICVOTTSWQ 238
Db 179 --LGLDASEVELTRNNELIAGKSSKRLPLVFGTEPRVLPNPLHAHQCKICVOTTSWQ 236
QY 239 CSKTCGTGISTRVTDNPECLRVKTRICVRPCQPVYSSLKGGKCKTKKSPPEVPVF 298
Db 237 CSKSCGTGISTRVTDNPECLRVKTRICVRPCQPVYSSLKGGKCKTKKSPPEVPVF 296
QY 299 TYAGCLSVKVRPKYCGSCVDGRCTPQLTRTVGRFRCEDEGTFSKNVMIOQCKCNYN 358

Db 297 TYAGCSSVKYRPKYCGSCVDGRCTPQLTRTVGRFRCEDEGTFSKNVMIOQCKCNYN 356
QY 359 CPHANEAAFPFVRLFNHDKFRD 381
Db 357 CPHNEASFRLYSLFNHDKFRD 379

RESULT 9

US-08-468-847B-13

; Sequence 13, Application US/08468847B

; Patent No. 5780263

; GENERAL INFORMATION:

; APPLICANT: Hastings, Gregg A. and Adams, Mark D.

; TITLE OF INVENTION: Human CCN-Like Growth Factor

; NUMBER OF SEQUENCES: 20

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLIAN,

; ADDRESSEE: CECCHI, STEWART & OLSTEIN

; STREET: 6 BECKER FARM ROAD

; CITY: ROSELAND

; STATE: NEW JERSEY

; COUNTRY: USA

; ZIP: 07068

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 INCH DISKETTE

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: MS-DOS

; SOFTWARE: WORD PERFECT 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/468,847B

; FILING DATE: 6 June 1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: MULLINS, J.G.

; REGISTRATION NUMBER: 33,073

; REFERENCE/DOCKET NUMBER: 325800-442

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-994-1700

; TELEFAX: 201-994-1744

; INFORMATION FOR SEQ ID NO: 13:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 375 AMINO ACIDS

; TYPE: AMINO ACID

; STRANDEDNESS:

; TOPOLOGY: LINEAR

; MOLECULE TYPE: PROTEIN

US-08-468-847B-13

Query Match 80.1%; Score 1695; DB 1; Length 375;
Best Local Similarity 81.0%; Pred. No. 2e-139;
Matches 311; Conservative 20; Mismatches 41; Indels 12; Gaps 7;

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Db 1 MSGAGARP-ALAAALLCLARIALGSPCAVQCQPAAPQCAPGVGLVPDGGCCCKVCAKQL 59
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Db 60 LNEDCSRTQPCDHTKGLNCFNFGASPAATNGICRAQSEGRPCBYNSRIYQNGESFQPNCHQ 119
QY 120 QCTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 179
Db 120 QCTCIDGAVGCIPLCPQELSLPGLCPNPLRVKVTGQCCCEEWVCDSDSIKDPMEODGLLG 177
QY 180 KGLGFDASEVELTRNNELIAGKRSKRLPLVFGMEPR--RILYNPLQCKICVOTTSW 237
Db 178 SKFGLDASEVELTRNNELIAGKRSKRLPLVFGMEPR--RILYNPLQCKICVOTTSW 232
QY 238 QCSKTCGTGISTRVTDNPECLRVKTRICVRPCQPVYSSLKGGKCKTKKSPPEVPVF 297

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Db 233 QCSKTCGIGSTRVNDNDPCKLIKETRICVVRPCGQPSYASLKGKCTTKTKSPVR 292
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 293 FTYAGCSSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 352
QY 358 NCPHANEAAFPYRLVNDIHKFRD 381
Db 353 NCPHANE-AYPFYRLVNDIHKFRD 375

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RESULT 10

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US-09-495-448A-33
; Sequence 33, Application US/09495448A
; Patent No. 6790606
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALLING MOLECULES
; FILE REFERENCE: 28758/36072
; CURRENT APPLICATION NUMBER: US/09/495,448A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 09/142,569
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/013,958
; PRIOR FILING DATE: 1996-03-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Chicken
US-09-495-448A-33

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Query Match 80.1%; Score 1695; DB 2; Length 375;
Best Local Similarity 81.0%; Pred. No. 2e-139;
Matches 311; Conservative 20; Mismatches 41; Indels 12; Gaps 7;

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Db 60 LNEDCSKTOPCDHTKGLCNFGASSTALKGICRAQSEGRPCENRYNRIYONGESFQPNQ 119
QY 120 QCTCIDGAVGCIPLCPQLSPLNLCNPNRLVVKVTCQCEEWVCDSDSIKDPMDODGL 179
Db 120 QCTCIDGAVGCIPLCPQLSPLNLCNPNRLVVKVTCQCEEWVCDSDSIKDPMDODGL 177
QY 180 GKELGFDASEVELTRNNELIIVGKRSKRLPVGMEP--RILYNPLOGQKCIQVOTTSWS 237
Db 178 SKFGLDASEGELTRNNELIIVGK-GLKMLPVFGSEFQSRAFENP----KCIQVOTTSWS 232
QY 238 QCSKTCGIGSTRVNDNDPCKLIKETRICVVRPCGQPSYASLKGKCTTKTKSPVR 297
Db 233 QCSKTCGIGSTRVNDNDPCKLIKETRICVVRPCGQPSYASLKGKCTTKTKSPVR 292
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 293 FTYAGCSSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 352
QY 358 NCPHANEAAFPYRLVNDIHKFRD 381
Db 353 NCPHANE-AYPFYRLVNDIHKFRD 375

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RESULT 11

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US-09-582-337-2
; Sequence 2, Application US/09582337
; Patent No. 6562618
; GENERAL INFORMATION:
; APPLICANT: Japan Tobacco, Inc.

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; TITLE OF INVENTION: Monoclonal Antibody Against Connective Tissue Growth Factor
; FILE REFERENCE: J1-009PCT
; CURRENT APPLICATION NUMBER: US/09/582,337
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: JP P1997-367699
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP P1998-356183
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Rat
US-09-582-337-2

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Query Match 45.0%; Score 953; DB 2; Length 347;
Best Local Similarity 46.2%; Pred. No. 6.8e-75;
Matches 176; Conservative 58; Mismatches 107; Indels 40; Gaps 7;
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Db 1 MLASVAGPVSLALVLLCTRTATGQCSAQCCAREAAPRCAGVSLVLDGCGCCRVCAK 60
QY 59 QLNEDCSKTOPCDHTKGLCNFGASSTALKGICRAQSEGRPCENRYNRIYONGESFQPNQ 118
Db 61 QLGELCTERDPCDHPKGLFCDFGSPANRKGVCAPK-DGAPCVFGSVYRSGESFQSSCK 119
QY 119 HCTCIDGAVGCIPLCPQLSPLNLCNPNRLVVKVTCQCEEWVCDSDSIKDPMDODGL 178
Db 120 YQCTCIDGAVGCVPLCSMDVRLSPDCFPFRRLVLPKCCSEWVCDSE----- 167
QY 179 LGKELGFDASEVELTRNNELIIVGKRSKRL-VPFGMEPRILYNPLOGQKCIQVOTTSWS 237
Db 168 -----KDRTVGPAALAYRLEDTFGDPTMM-----RANCLVQTTWS 205
QY 238 QCSKTCGIGSTRVNDNDPCKLIKETRICVVRPCGQPSYASLKGKCTTKTKSPVR 297
Db 206 ACSKTCGIGSTRVNDNTFCLEKQSRCLCWRFCEADLEBENIKKGGKCIQRTPKIAPVK 265
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 266 FLSGCTSVTKYRAKFGCVCTDGRCTPHRTTLLPVBFKCPDGEIMKNNMFIKTCACHY 325
QY 358 NCPHANEAAFPY--RLFNDI 376
Db 326 NCPGNDIFESLYTRKMYGDM 346

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RESULT 12

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US-09-292-036-3
; Sequence 3, Application US/09292036
; Patent No. 6358741
; GENERAL INFORMATION:
; APPLICANT: FIBROGEN, INC
; APPLICANT: SCHMIDT, Brian
; APPLICANT: ALLEN, Margaret
; APPLICANT: SVERDRUP, Fran
; APPLICANT: CARMICHAEL, David
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR (CTGF) AND METHODS OF USE
; FILE REFERENCE: FIB01100-1
; CURRENT APPLICATION NUMBER: US/09/292,036
; CURRENT FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: US 09/292,036
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: US 09/187,478
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3
; LENGTH: 348
; TYPE: PRT

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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:27:37 ; Search time 115 Seconds
(without alignments)
1384.287 Million cell updates/sec

Title: US-10-053-753A-4

Perfect score: 2116
Sequence: 1 MSSRIARALVLTLLHLTR.....ANEAAFPYRLFNHDKFRD 381

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
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2: /cgm2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgm2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgm2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgm2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgm2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2116	100.0	381	4	US-10-053-753-4
2	2116	100.0	381	4	US-10-182-432-4
3	2116	100.0	381	4	US-10-312-459-6
4	2116	100.0	381	5	US-10-902-895-4
5	2106	99.5	381	3	US-09-901-910-2
6	2106	99.5	381	4	US-10-294-796-2
7	2106	99.5	381	4	US-10-394-015-5
8	2106	99.5	381	4	US-10-099-322-42
9	2106	99.5	381	4	US-10-044-564-42
10	2106	99.5	381	4	US-10-464-368-61
11	2106	99.5	381	4	US-10-381-644-2
12	2106	99.5	381	4	US-10-312-459-2
13	2106	99.5	381	5	US-10-454-246-170
14	2106	99.5	381	5	US-10-454-246-172
15	2106	99.5	386	5	US-10-454-246-152
16	2106	99.5	399	5	US-10-454-246-166
17	2106	99.5	408	5	US-10-454-246-160
18	2106	99.5	455	3	US-09-925-301-1432
19	2103	99.4	381	4	US-10-099-322-43
20	2103	99.4	381	4	US-10-044-564-43
21	2100	99.2	381	4	US-10-099-322-44
22	2100	99.2	381	4	US-10-044-564-44
23	2098	99.1	381	4	US-10-205-823-84
24	2098	99.1	381	4	US-10-099-322-2
25	2098	99.1	381	4	US-10-099-322-41
26	2098	99.1	381	4	US-10-044-564-2
27	2098	99.1	381	4	US-10-044-564-41

28	2098	99.1	381	5	US-10-454-246-150	Sequence 150, Appl
29	2098	99.1	381	6	US-11-051-454-84	Sequence 84, Appl
30	2091	98.8	381	5	US-10-454-246-174	Sequence 174, Appl
31	2001	94.6	370	5	US-10-454-246-162	Sequence 162, Appl
32	2001	94.6	370	5	US-10-454-246-168	Sequence 168, Appl
33	1994	94.2	356	5	US-10-454-246-164	Sequence 164, Appl
34	1971.5	93.2	374	3	US-09-853-625B-12	Sequence 12, Appl
35	1971.5	93.2	375	3	US-09-901-910-7	Sequence 7, Appl
36	1929	91.2	379	3	US-09-853-625B-11	Sequence 11, Appl
37	1929	91.2	379	4	US-10-053-753-2	Sequence 2, Appl
38	1929	91.2	379	4	US-10-099-322-45	Sequence 45, Appl
39	1929	91.2	379	4	US-10-182-432-2	Sequence 2, Appl
40	1929	91.2	379	4	US-10-044-564-45	Sequence 45, Appl
41	1929	91.2	379	4	US-10-464-368-60	Sequence 60, Appl
42	1929	91.2	379	4	US-10-627-604-11	Sequence 11, Appl
43	1929	91.2	379	5	US-10-902-895-2	Sequence 2, Appl
44	1929	91.2	379	5	US-10-627-604-11	Sequence 11, Appl
45	1928	91.1	379	4	US-10-464-368-62	Sequence 62, Appl

ALIGNMENTS

RESULT 1
US-10-053-753-4
; Sequence 4, Application US/10053753
; Publication No. US20020150986A1
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/10/053,753
; FILING DATE: 22-Jan-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 381 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Human Cys61 amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-053-753-4

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSSRIARALVLTLLHLTRALSTCPAACHPCAPGVGLVRDGGCCCKVCAKQL 60
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Db 1 MSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
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Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLGCPNPLVKVTGQCCSEWCDSDSIKDPMEDQDGLG 180
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QY 361 HANEAAFPFYLNDIHKFRD 381
Db 361 HANEAAFPFYLNDIHKFRD 381

RESULT 2
US-10-182-432-4
; Sequence 4, Application US/10182432
; Publication No. US2004002124A1
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F., YEUNG, Cho-Yau, and GREENSPAN, Jeffrey A.
; TITLE OF INVENTION: CYR61 COMPOSITIONS AND METHODS
; FILE REFERENCE: 214448/00029
; CURRENT APPLICATION NUMBER: US/10/182,432
; CURRENT FILING DATE: 2002-07-26
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-432-4

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
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Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLGCPNPLVKVTGQCCSEWCDSDSIKDPMEDQDGLG 180
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QY 181 KELGPDASEVELTRNNELIANGKRSKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
Db 181 KELGPDASEVELTRNNELIANGKRSKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKEIRICVRPCQGPVYSSLKKGKCKSKTKKSPVPRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKEIRICVRPCQGPVYSSLKKGKCKSKTKKSPVPRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360

QY 361 HANEAAFPFYLNDIHKFRD 381
Db 361 HANEAAFPFYLNDIHKFRD 381
RESULT 3
US-10-312-459-6
; Sequence 6, Application US/10312459
; Publication No. US20040086504A1
; GENERAL INFORMATION:
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhang, Zhiming
; APPLICANT: Winneker, Richard
; TITLE OF INVENTION: Cy761 as a Target for Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 00630100H200-US2
; CURRENT APPLICATION NUMBER: US/10/312,459
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/213,182
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/291,510
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/US01/19823
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-459-6

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
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Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLGCPNPLVKVTGQCCSEWCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLGCPNPLVKVTGQCCSEWCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKRSKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
Db 181 KELGPDASEVELTRNNELIANGKRSKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKEIRICVRPCQGPVYSSLKKGKCKSKTKKSPVPRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKEIRICVRPCQGPVYSSLKKGKCKSKTKKSPVPRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
QY 361 HANEAAFPFYLNDIHKFRD 381
Db 361 HANEAAFPFYLNDIHKFRD 381
RESULT 4
US-10-902-895-4
; Sequence 4, Application US/10902895
; Publication No. US20050005316A1
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALING MOLECULES
; FILE REFERENCE: 05031.0003.DVUS03
; CURRENT APPLICATION NUMBER: US/10/902,895

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/ CURRENT FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: 09/495,448
/ PRIOR FILING DATE: 2000-01-31
/ PRIOR APPLICATION NUMBER: 09/142,569
/ PRIOR FILING DATE: 1999-04-02
/ PRIOR APPLICATION NUMBER: 60/013,958
/ PRIOR FILING DATE: 1996-03-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 4
/ LENGTH: 381
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ ORGANISM: Homo sapiens
US-10-902-895-4

Query Match 100.0%; Score 2116; DB 5; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
Db 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
QY 361 HANEAAFPFRLFNDFHFRD 381
Db 361 HANEAAFPFRLFNDFHFRD 381

RESULT 5
US-09-901-910-2
/ Sequence 2, Application US/09901910
/ Publication No. US20030012768A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Haodong
/ APPLICANT: Adams, Mark
/ APPLICANT: Calenda Valerie
/ TITLE OF INVENTION: Connective Tissue Growth Factor-2
/ FILE REFERENCE: P126P2
/ CURRENT APPLICATION NUMBER: US/09/901,910
/ PRIOR FILING DATE: 2001-07-11
/ PRIOR APPLICATION NUMBER: 09/348,815
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: 08/459,101
/ PRIOR FILING DATE: 1995-06-02
/ PRIOR APPLICATION NUMBER: PCT/US94/07736
/ PRIOR FILING DATE: 1994-07-12
/ PRIOR APPLICATION NUMBER: 60/217,402
/ PRIOR FILING DATE: 2000-07-11
/ PRIOR APPLICATION NUMBER: 60/291,642
/ PRIOR FILING DATE: 2001-05-18
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: Patent in version 3.0
/ SEQ ID NO 2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
Db 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
QY 361 HANEAAFPFRLFNDFHFRD 381
Db 361 HANEAAFPFRLFNDFHFRD 381

RESULT 6
US-10-294-796-2
/ Sequence 2, Application US/10294796
/ Publication No. US20030078391A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Haodong et al.
/ TITLE OF INVENTION: Connective Tissue Growth Factor-2
/ FILE REFERENCE: P126PID2
/ CURRENT APPLICATION NUMBER: US/10/294,796
/ CURRENT FILING DATE: 2002-11-15
/ PRIOR APPLICATION NUMBER: US 09/348,815
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: US 08/459,101
/ PRIOR FILING DATE: 1995-06-02
/ PRIOR APPLICATION NUMBER: PCT/US94/07736
/ PRIOR FILING DATE: 1994-07-12
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 2
/ LENGTH: 381
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ ORGANISM: Homo sapiens
US-10-294-796-2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
Db 1 MSSRIARALAVVTLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVDRDGGCKKCAKOL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCYNRSIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNLCNPNRLVKVTGQCCSEWVCDDESIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLOGQKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLSKKGKSKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQLTTRVNRPRCEDETFPSKNVMMIQSKCKNINCP 360
QY 361 HANEAAFPFRLFNDFHFRD 381
Db 361 HANEAAFPFRLFNDFHFRD 381
```

QY 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360
QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 7

US-10-394-015-5
; Sequence 5, Application US/10394015
; Publication No. US20030180891A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Connective Tissue Growth Factor-4
; FILE REFERENCE: PF467
; CURRENT APPLICATION NUMBER: US/10/394,015
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/325,019
; PRIOR FILING DATE: 1999-06-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/088,320
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-05
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-394-015-5

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYSNRIYQNGESFPNCCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYSNRIYQNGESFPNCCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 8

US-10-099-322-42
; Sequence 42, Application US/10099322
; Publication No. US20030215449A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240CIP
; CURRENT APPLICATION NUMBER: US/10/099,322
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 42
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-099-322-42

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYSNRIYQNGESFPNCCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYSNRIYQNGESFPNCCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTGQCCBEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGSLLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQLTRVVMRFRCEDETFSSKNVMMIOSCKCNYNCP 360
QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 9


```
US-10-044-564-42
; Sequence 42, Application US/10044564
; Publication No. US20040018196A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240
; CURRENT APPLICATION NUMBER: US/10/044,564
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 42
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-044-564-42

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120

QY 121 CTCIDGAVGCIPLCPQELSLPNLGCNPRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNLGCNPRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAGKRSCLKLPVFGMEPRILYNPLOGQKCIIVTTWSQCS 240
Db 181 KELGFDASEVELTRNNELIAGKRSCLKLPVFGMEPRILYNPLOGQKCIIVTTWSQCS 240

QY 241 KTCGTGISTRTVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPVPVPTY 300
Db 241 KTCGTGISTRTVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPVPVPTY 300

QY 301 AGCLSVKKYRKYKCGSCVDGRCCCTPQLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360
Db 301 AGCLSVKKYRKYKCGSCVDGRCCCTPQLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 10
US-10-464-368-61
; Sequence 61, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Ellices, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017
```

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US-10-044-564-42
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 61
; LENGTH: 381
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-464-368-61

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120

QY 121 CTCIDGAVGCIPLCPQELSLPNLGCNPRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNLGCNPRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAGKRSCLKLPVFGMEPRILYNPLOGQKCIIVTTWSQCS 240
Db 181 KELGFDASEVELTRNNELIAGKRSCLKLPVFGMEPRILYNPLOGQKCIIVTTWSQCS 240

QY 241 KTCGTGISTRTVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPVPVPTY 300
Db 241 KTCGTGISTRTVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPVPVPTY 300

QY 301 AGCLSVKKYRKYKCGSCVDGRCCCTPQLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360
Db 301 AGCLSVKKYRKYKCGSCVDGRCCCTPQLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 11
US-10-381-644-2
; Sequence 2, Application US/10381644
; Publication No. US20040023910A1
; GENERAL INFORMATION:
; APPLICANT: American Home Products Corporation
; APPLICANT: Zhang, Zhiming
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhu, Yuan
; APPLICANT: Winnekar, Richard
; TITLE OF INVENTION: Use of Cyr61 in the treatment and
; FILE REFERENCE: AM100352
; CURRENT APPLICATION NUMBER: US/10/381,644
; CURRENT FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: 60/236,887
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-381-644-2

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
DB 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPVPVRTY 300
DB 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPVPVRTY 300
QY 301 AGCLSVKKYRKYKPGYCGSDGRCCTPQLTTRTVKMRFCEDGETFSKNVMMIQSCKKNYCP 360
DB 301 AGCLSVKKYRKYKPGYCGSDGRCCTPQLTTRTVKMRFCEDGETFSKNVMMIQSCKKNYCP 360
QY 361 HANEAAFPFYLNDIHKFRD 381
DB 361 HANEAAFPFYLNDIHKFRD 381

RESULT 12

US-10-312-459-2
; Sequence 2, Application US/10312459
; Publication No. US20040086504A1
; GENERAL INFORMATION:
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhang, Zhiming
; APPLICANT: Winneker, Richard
; TITLE OF INVENTION: Cy61 as a Target for Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 00630100H200-US2
; CURRENT APPLICATION NUMBER: US/10/312,459
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/213,182
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/291,510
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/US01/19823
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-459-2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240

DB 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPVPVRTY 300
DB 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPVPVRTY 300
QY 301 AGCLSVKKYRKYKPGYCGSDGRCCTPQLTTRTVKMRFCEDGETFSKNVMMIQSCKKNYCP 360
DB 301 AGCLSVKKYRKYKPGYCGSDGRCCTPQLTTRTVKMRFCEDGETFSKNVMMIQSCKKNYCP 360
QY 361 HANEAAFPFYLNDIHKFRD 381
DB 361 HANEAAFPFYLNDIHKFRD 381

RESULT 13

US-10-454-246-170
; Sequence 170, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: Curaseq1 version 0.1
; SEQ ID NO 170
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-170

Query Match 99.5%; Score 2106; DB 5; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGNPCPNRLVKVTGQCCSEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAVGKRSKRLPVGMEPRILYNPLOGKCIQVOTTSWSQCS 240
DB 181 KELGFDASEVELTRNNELIAVGKSSKRLPVGMEPRILYNPLOGKCIQVOTTSWSQCS 240
QY 241 KTCGTGISTRTVNDNPECLVKETRICVPRCGQPVYSLKGGKCKSKTKKSPPEVRFTY 300
DB 241 KTCGTGISTRTVNDNPECLVKETRICVPRCGQPVYSLKGGKCKSKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRKYCGSCVDGRCTPQLTRTVKMRFCEDGETFSKNVMMIQSCKCNYNCP 360
DB 301 AGCLSVKKYRKYCGSCVDGRCTPQLTRTVKMRFCEDGETFSKNVMMIQSCKCNYNCP 360
QY 361 HANEAAFPFYRLFNDIHKFRD 381
DB 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 14

US-10-454-246-172
; Sequence 172, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 172
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-172

Query Match 99.5%; Score 2106; DB 5; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MSSRIARALALVVTLLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCGCKCAKQL 60
DB 1 MSSRIARALALVVTLLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCGCKCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALGICRAQSEGRPCENRYNRYNGESFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALGICRAQSEGRPCENRYNRYNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTCQCEWVCDSDSINDPMEDQGLIG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTCQCEWVCDSDSINDPMEDQGLIG 180

QY 181 KELGFDASEVELTRNNELIAVGKRSKRLPVGMEPRILYNPLOGKCIQVOTTSWSQCS 240
DB 181 KELGFDASEVELTRNNELIAVGKSSKRLPVGMEPRILYNPLOGKCIQVOTTSWSQCS 240
QY 241 KTCGTGISTRTVNDNPECLVKETRICVPRCGQPVYSLKGGKCKSKTKKSPPEVRFTY 300
DB 241 KTCGTGISTRTVNDNPECLVKETRICVPRCGQPVYSLKGGKCKSKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRKYCGSCVDGRCTPQLTRTVKMRFCEDGETFSKNVMMIQSCKCNYNCP 360
DB 301 AGCLSVKKYRKYCGSCVDGRCTPQLTRTVKMRFCEDGETFSKNVMMIQSCKCNYNCP 360
QY 361 HANEAAFPFYRLFNDIHKFRD 381
DB 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 15

US-10-454-246-152
; Sequence 152, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 152
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-152

Query Match 99.5%; Score 2106; DB 5; Length 386;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MSSRIARALALVVTLLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCGCKCAKQL 60
DB 4 MSSRIARALALVVTLLHLTRALSTCPAACHCPLEAPKCAPGVGLVRDGGCGCKCAKQL 63
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALGICRAQSEGRPCENRYNRYNGESFQPNCHQ 120
DB 64 NEDCSKTQPCDHTKGLCNFGASSTALGICRAQSEGRPCENRYNRYNGESFQPNCHQ 123
QY 121 CTCIDGAVGCIPLCPQELSLPNCNPNRLVKVTCQCEWVCDSDSINDPMEDQGLIG 180

Db	124	CTCIDGAVGCIPLCPQELSLPNI	GCNPRLVKVTGQCCEWVCDSDSI	KDPMEDQDGLLG	183
Qy	181	KELGPDASEVELTRNNELI	AVKGRSLKSLPVFGMEPRILYN	PLQKQKCI	VOTTSWSQCS 240
Db	184	KELGPDASEVELTRNNELI	AVKGRSLKSLPVFGMEPRILYN	PLQKQKCI	VOTTSWSQCS 243
Qy	241	KTCGTGISTRVTNDNECRLV	KETRICEVRPCGQPVYSSLK	KGKCKSKTKGSP	PEVRPTY 300
Db	244	KTCGTGISTRVTNDNECRLV	KETRICEVRPCGQPVYSSLK	KGKCKSKTKGSP	PEVRPTY 303
Qy	301	AGCLSVKCYRKYCGSCVDGR	CCTPOLTRTVKRFCEDETF	SKNMMIQCKCN	NCP 360
Db	304	AGCLSVKCYRKYCGSCVDGR	CCTPOLTRTVKRFCEDETF	SKNMMIQCKCN	NCP 363
Qy	361	HANEAAFPFYRLFNDIHK	FRD	381	
Db	364	HANEAAFPFYRLFNDIHK	FRD	384	

Search completed: January 24, 2006, 11:38:23
Job time : 116 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:27:57 / Search time 30 Seconds
(without alignments)
128.705 Million cell updates/sec

Title: US-10-053-753A-4

Perfect score: 2116
Sequence: 1 MSSRIARALAVVTLHLTR.....ANEAPFYRLNDIHKFRD 381

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 70609 seqs, 10134256 residues

Total number of hits satisfying chosen parameters: 70609

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.New.*

- 1: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pap.*
- 2: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pap.*
- 3: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pap.*
- 4: /cgn2_6/prodata/1/pubpaa/PCT_NEW_PUB.pap.*
- 5: /cgn2_6/prodata/1/pubpaa/US05_NEW_PUB.pap.*
- 6: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pap.*
- 7: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pap.*
- 8: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	948.5	44.8	348	7 US-11-067-121-5	Sequence 5, Appli
2	947	44.8	349	7 US-11-067-121-14	Sequence 14, Appl
3	947	44.8	397	6 US-10-821-234-1020	Sequence 1020, Ap
4	923.5	43.6	322	7 US-11-067-121-15	Sequence 15, Appl
5	851	40.2	317	7 US-11-094-519A-38	Sequence 38, Appl
6	523.5	24.7	250	6 US-10-131-826A-320	Sequence 320, App
7	404.5	19.1	166	7 US-11-094-519A-47	Sequence 47, Appl
8	211	10.0	74	7 US-11-094-519A-46	Sequence 46, Appl
9	173.5	8.2	1620	6 US-10-055-877-213	Sequence 213, App
10	170.5	8.1	1036	6 US-10-131-826A-142	Sequence 142, App
11	169	8.0	1664	6 US-10-055-877-212	Sequence 212, App
12	168.5	8.0	1028	7 US-11-067-121-7	Sequence 7, Appli
13	158	7.5	1547	6 US-10-453-372-886	Sequence 886, App
14	158	7.5	1577	6 US-10-055-877-54	Sequence 54, Appl
15	158	7.5	1577	6 US-10-453-372-882	Sequence 882, App
16	158	7.5	1577	6 US-10-453-372-884	Sequence 884, App
17	158	7.5	1620	6 US-10-453-372-868	Sequence 868, App
18	158	7.5	1653	6 US-10-453-372-866	Sequence 866, App
19	157.5	7.4	1018	7 US-11-067-121-17	Sequence 17, Appl
20	157.5	7.4	1594	6 US-10-453-372-860	Sequence 860, App
21	153	7.2	1574	6 US-10-055-877-211	Sequence 211, App
22	152	7.2	2107	6 US-10-055-877-827	Sequence 827, App
23	152	7.2	2480	6 US-10-055-877-825	Sequence 825, App
24	152	7.2	3116	6 US-10-055-877-826	Sequence 826, App
25	148.5	7.0	1418	6 US-10-453-372-864	Sequence 864, App

26	144.5	6.8	1450	6 US-10-055-877-48	Sequence 48, Appl
27	144.5	6.8	1450	6 US-10-453-372-874	Sequence 874, App
28	141	6.7	5179	7 US-11-108-172-1068	Sequence 1068, Ap
29	139.5	6.6	1198	6 US-10-453-372-880	Sequence 880, App
30	138.5	6.5	451	6 US-10-063-703-82	Sequence 82, Appl
31	138.5	6.5	451	7 US-11-102-240-82	Sequence 82, Appl
32	137.5	6.5	1504	7 US-11-019-711-98	Sequence 98, Appl
33	137	6.5	452	7 US-11-186-284-79	Sequence 79, Appl
34	136	6.4	969	6 US-10-055-877-214	Sequence 214, App
35	133	6.3	2764	6 US-10-055-877-691	Sequence 691, App
36	133	6.3	2813	6 US-10-055-877-688	Sequence 688, App
37	133	6.3	2919	6 US-10-821-234-1133	Sequence 1133, Ap
38	132	6.2	1398	6 US-10-053-877-46	Sequence 46, Appl
39	132	6.2	1398	6 US-10-453-372-872	Sequence 872, App
40	132	6.2	1403	6 US-10-055-877-52	Sequence 52, Appl
41	132	6.2	1403	6 US-10-453-372-878	Sequence 878, App
42	132	6.2	1404	6 US-10-055-877-44	Sequence 44, Appl
43	132	6.2	1404	6 US-10-453-372-870	Sequence 870, App
44	130	6.1	1170	6 US-10-831-997-2	Sequence 2, Appl
45	130	6.1	1170	6 US-10-055-877-594	Sequence 594, App

ALIGNMENTS

RESULT 1
US-11-067-121-5
; Sequence 5, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-067-121-5

Query Match	44.8%	Score 948.5	DB 7	Length 348
Best Local Similarity	46.3%	Pred. No. 7.3e-75		
Matches 177	Conservative 58	Mismatches 106	Indels 41	Gaps 8
QY	1	MSSRIARALAVVTLHL-TRIAL-STCPAACHCPL-APKCAPGVGLVDRGCGCKVCA	57	
Db	1	MLASVAGPISLALVLLCTPATQDCSAQCAAEAPHCAPAGVSLVLDGCGCRVCA	60	
QY	58	KOLNEDCKTOPCDHTKGLCNFGASSTALKGICRAQSEGRPCVNSRYQNGESQPNC	117	
Db	61	KQLGELCTERDPCDHPKGLFCDFGSPARKIGVCTAK-DGAPCVFGSVYRGESFQSSC	119	
QY	118	QHCTCIDGAVGICPLCPQELSLPNLGCNPNLKVYTGCCBEWVDEDSIKDPMEDQDG	177	
Db	120	KYQCTCLDAGVGVPLCSMDVRLPSPDCPPRRVKLPGKCKEWCWDEP-----	168	
QY	178	LGKELGFDASEVELTRNNELIAVGKGRSLKEL-PVFGMEPRILYNPLOGQKCIVOTTSW	236	
Db	169	-----KDRTAAGPALAAAELEDTFGDPDTMM-----RANCLVQTTSW	205	
QY	237	SOCSKTCTGISTRVNTDNPCELVKTRICVRPCGQPVYSSLLKGGKCKSTKKSPPRV	296	
Db	206	SACSKTCGMLSTRVNTDNTFCRLSKQLCVRPCVCEADLENIKGGKCKIRTPKIAKRV	265	
QY	297	RFTYAGCLSKVKYRPKYCGSCVDGRCCTPQLTRTRVMDRFRBCDGETFSSKNVMIOSCKCN	356	

```

Db      266 KFEISGGTSVYTRAKCGVCTDGRCTPHRTTLPVEFKPDGEIMKKNMF1KTCACH 325
Qy      357 YNCPHANEAPPPY--RLPNDI 376
Db      326 YNCPGNDNIPESLYRKYGM 347

RESULT 2
US-11-067-121-14
; Sequence 14, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-121-14

```

```

Query Match      44.8%; Score 947; DB 7; Length 349;
Best Local Similarity 46.6%; Pred. No. 9.8e-75;
Matches 174; Conservative 58; Mismatches 101; Indels 40; Gaps 8;

Qy      9 LALVTLHLTRLAL-STCPAAACHPCLE-APKCAPGVGLVRDGGCGCKYCAKQLNEDCSK 66
Db      11 VAFVLLALCSRPAVGQNCGPGCRCPDEPAPRCFAGVSLVLDGCGCCRVCAKQLGELCTE 70
Qy      67 TOPCDHTKGLCNFGASSTALKIGICRAQSEGRPCYNSRIYONGESFPNCOHOCTCIDG 126
Db      71 RDCPDHKGFLFCDFGSPANRKGIVCTAK-DGAPCFIGGVYRSGESFSQSSKYQCTCLDG 129
Qy      127 AVGCIPLCPOELSLPNLGNCPNRLVKVTGOCCEWVCDSDSIKDPNMDQDGLLGKELGPD 186
Db      130 AVGCMLCSMDVRLSPDCPFPRRVLPKGCCEWVCDSEPKDQ-----KQ----- 172
Qy      187 ASEVELTRNNELIAVGKGRSLKRL-PVFGMEPRILYNPLOGQKCIQVTTSMQCSKTCCT 245
Db      173 -----TVVGPALAAVRLSDTFGPDPTMI-----RANCLVQTTEWSACSKTGCM 215
Qy      246 GISTRVTNDNPECLRVKETRICEVRPCGPVYSSLLKGGKCKSKTKKSPPEPVRTVAGCLS 305
Db      216 GISTRVTNDNASCRLEKQSLCNVRCEADLEENIKGKKCIPTPKISKPIKFEISGGTS 275
Qy      306 VKYRPPKYGSCVDGRCCCTPQITRTVYKMFRCEDGETFSKNVMMIOSCKNVCNCPHANE 365
Db      276 MITYRAKFCGVCTDGRCTPHRTTLPVEFKPDGEIMKKNMF1KTCACHNCPGDNDI 335
Qy      366 APPFY--RLPNDI 376
Db      336 FESLYRKYGM 348

```

```

RESULT 3
US-10-821-234-1020
; Sequence 1020, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Suan
; APPLICANT: Tang, Y. Tom

```

```

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: PT_SEQ_genes Version 1.0
; SEQ ID NO 1020
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1020

```

```

Query Match      44.8%; Score 947; DB 6; Length 397;
Best Local Similarity 46.6%; Pred. No. 1.1e-74;
Matches 174; Conservative 58; Mismatches 101; Indels 40; Gaps 8;

Qy      9 LALVTLHLTRLAL-STCPAAACHPCLE-APKCAPGVGLVRDGGCGCKYCAKQLNEDCSK 66
Db      59 VAFVLLALCSRPAVGQNCGPGCRCPDEPAPRCFAGVSLVLDGCGCCRVCAKQLGELCTE 118
Qy      67 TOPCDHTKGLCNFGASSTALKIGICRAQSEGRPCYNSRIYONGESFPNCOHOCTCIDG 126
Db      119 RDCPDHKGFLFCDFGSPANRKGIVCTAK-DGAPCFIGGVYRSGESFSQSSKYQCTCLDG 177
Qy      127 AVGCIPLCPOELSLPNLGNCPNRLVKVTGOCCEWVCDSDSIKDPNMDQDGLLGKELGPD 186
Db      178 AVGCMLCSMDVRLSPDCPFPRRVLPKGCCEWVCDSEPKDQ-----KQ----- 220
Qy      187 ASEVELTRNNELIAVGKGRSLKRL-PVFGMEPRILYNPLOGQKCIQVTTSMQCSKTCCT 245
Db      221 -----TVVGPALAAVRLSDTFGPDPTMI-----RANCLVQTTEWSACSKTGCM 263
Qy      246 GISTRVTNDNPECLRVKETRICEVRPCGPVYSSLLKGGKCKSKTKKSPPEPVRTVAGCLS 305
Db      264 GISTRVTNDNASCRLEKQSLCNVRCEADLEENIKGKKCIPTPKISKPIKFEISGGTS 323
Qy      306 VKYRPPKYGSCVDGRCCCTPQITRTVYKMFRCEDGETFSKNVMMIOSCKNVCNCPHANE 365
Db      324 MITYRAKFCGVCTDGRCTPHRTTLPVEFKPDGEIMKKNMF1KTCACHNCPGDNDI 383
Qy      366 APPFY--RLPNDI 376
Db      384 FESLYRKYGM 396

```

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RESULT 4
US-11-067-121-15
; Sequence 15, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-121-15

```

```

Query Match      43.6%; Score 923.5; DB 7; Length 322;
Best Local Similarity 44.9%; Pred. No. 9.6e-73;
Matches 167; Conservative 53; Mismatches 87; Indels 65; Gaps 6;

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Db 18 LSKVRLQCTCTCWPFRPLGLVPLVLDGCGCRVCAHLGBFCDQLRHVCDASQGLV 77
QY 78 CNFGASSTALKGICRAQSEGRFCVNSRIYQNGESFPQNCQHQCTCIDGAVGICPLCPQE 137
Db 78 COPGAGPGKGRGALCLLAEDSSCEVNGRLYREGTFQPHCSIRCECDGGFTCVPLCED 137
QY 138 LSLPLNGLCPNPLVKVTCGCCSEWUCDESDIXDPMEDQDGLLGKELGFPDASEVELTRNNE 197
Db 138 VRLPSWDCPHPRRVEVLGKCCPEWVCGQ----- 165
QY 198 LIAVKGRLKELPLVFGMEPRILYNPL-OGQKCIYQTTSMSCSTCGTGISTRTVNDNP 256
Db 166 -----GGGLGTQPLAQGPQFSGVLSLPPGVCPPEKSTAWGPFCTTCGLGMATRVSNQR 221
QY 257 ECLVKEIRICVRPC 272
Db 222 FCRLETRRLCLSRPC 237

RESULT 7

US-11-094-519A-47
; Sequence 47, Application US/11094519A
; Publication No. US20050281810A1

; GENERAL INFORMATION:
; APPLICANT: BERNSTEIN, Jeanne
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: VARIANTS OF ALTERNATIVE SPLICING
; FILE REFERENCE: 2786-0140P
; CURRENT APPLICATION NUMBER: US/11/094,519A
; CURRENT FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: US/09/695,293
; PRIOR FILING DATE: 2000-10-25
; PRIOR APPLICATION NUMBER: IL 132558
; PRIOR FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-094-519A-47

Query Match 19.1%; Score 404.5; DB 7; Length 166;
Best Local Similarity 50.7%; Pred. No. 2.5e-28;
Matches 73; Conservative 25; Mismatches 43; Indels 3; Gaps 3;
QY 9 LALVVTLLHLRLAL-STCPAAACHCPLB-APKCAPGVGLVRDGGCCCKVCAKQINEDCSK 66
Db 11 VAFVVLALCSRPAVGQNCSPFCRCPDEPAPCRPAGVSLVDGCGCRVCAKQIGELCTE 70
QY 67 TOPCDHTKGLCNFGASSTALKGICRAQSEGRFCVNSRIYQNGESFPQNCQHQCTCIDG 126
Db 71 RDPDCHPKGLFCDFGSPANRIGVCTAK-DGAPCIFGTGTVRSGESFQSSCKYQCTCLDG 129
QY 127 AVGCIPCLPQSLNLNLCNPNRL 150
Db 130 AVGCMLPCSDMDVRLFPSPDPPFSL 153

RESULT 8

US-11-094-519A-46
; Sequence 46, Application US/11094519A
; Publication No. US20050281810A1

; GENERAL INFORMATION:
; APPLICANT: BERNSTEIN, Jeanne
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: VARIANTS OF ALTERNATIVE SPLICING
; FILE REFERENCE: 2786-0140P
; CURRENT APPLICATION NUMBER: US/11/094,519A
; CURRENT FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: US/09/695,293
; PRIOR FILING DATE: 2000-10-25

; PRIOR APPLICATION NUMBER: IL 132558
; PRIOR FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-094-519A-46

Query Match 10.0%; Score 211; DB 7; Length 74;
Best Local Similarity 46.6%; Pred. No. 5e-12;
Matches 34; Conservative 14; Mismatches 23; Indels 2; Gaps 1;
QY 306 VKKRPKYCGSCVDRCCTPQLTRTVKVRFCEDGETSKVMMIOTSCCKNVCNCPHNEA 365
Db 1 MKYTRAFPGVCTDRCCTPHRTTLPLVFEXKPDGEVMMKMMFIKTCACHNCPGDNDI 60
QY 366 APPFY--RLFNDI 376
Db 61 PESLYYRKMYGDM 73

RESULT 9

US-10-055-877-213
; Sequence 213, Application US/10055877
; Publication No. US20050288241A1

; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zehuseen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eissen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Perence
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26

PRIOR APPLICATION NUMBER: 60/263,351
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: 60/272,870
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/275,990
PRIOR FILING DATE: 2001-03-14
PRIOR APPLICATION NUMBER: 60/275,927
PRIOR FILING DATE: 2001-03-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 213
LENGTH: 1620
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-10-055-877-213

Query Match 8.2%; Score 173.5; DB 6; Length 1620;
Best Local Similarity 24.2%; Pred. No. 2.6e-07;
Matches 92; Conservative 33; Mismatches 146; Indels 109; Gaps 21;

QY 26 CPAACHCPLAP-----KCAPG-----VGLVRDGGCCCKVCAQLNEDCSK 66
DB 1052 CAGICSCQNGATCDVTSCECRPGWRGKKCDRPPDG--RFGECNAICDCTTNDTSM 1109
QY 67 TOP-----CDHTKGLCNFGASSTALKIGICRAQSEGRPCYNSRIYQNGSEFPNCHQCT 122
DB 1110 YNPFVARDHVTG-ECR-----CPAGWTGPDCTSCPLGRHGE---GCRHSQC 1153
QY 123 CIDGAVGICPLCPQLSLPNLGCPNPLVKGTCCEWVCDSESIKDPMEDDQGLLKE 182
DB 1154 CSNGA-----SCDRVTGP--CDCPSGFMGNKCESECPGLWGSNCMKHCLCHMIGECNKE 1206
QY 183 LGPDASEVELTNNELIANGKRSILKLPVFGMEPRILYNPLQGGKCIQVQ-----TSW 236
DB 1207 NG-----DCSCIDGWTGSLCPFGQFGNCAQRCNKGASCDRKTGRCBCLPQW 1256
QY 237 S--QCSKTCGTGISTRVTNDNPNPECLRVKTRICEVRPCGQPVYSLK-----KGKCKSKT 289
DB 1257 SGHECKSVSG-----HYGAKC---EETCEGALCDPISGHCSQCPGWRGKKCNRP 1307
QY 290 KKSPEPVFTAGLSVKYRKYCG-----SC--VDRGCTTPOLTRIVVGRFRCE 338
DB 1308 -----CL--KGYFGRHCSQSCRCANSKSCDHISGRQCQPKGYAGHSCTELCP 1352
QY 339 DGETSKNVMMIQSCCKNPN 358
DB 1353 DG-TFGESCS--QKDCDGEN 1369

RESULT 10
US-10-131-826A-142
Sequence 142, Application US/10131826A
Publication No. US20050245730A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C128
CURRENT APPLICATION NUMBER: US/10/131.826A
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 142
LENGTH: 1036
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-826A-142

Query Match 8.1%; Score 170.5; DB 6; Length 1036;
Best Local Similarity 20.9%; Pred. No. 2.8e-07;
Matches 85; Conservative 45; Mismatches 120; Indels 157; Gaps 23;

QY 30 CHCPLAPKCAP-----GVGLVRD--GCSCCKVCAQLNEDCSKTQP-----CD 71
DB 530 CECRPRPKCRPIICDKYCPGLLLKNKHGCDICR-CKKCPBLSCSKICPLGFGQDSDHGL 588
QY 72 HTKGLCNFGASSTALKIGICRAQSEGRPCYNSRIYQNGSEFPNCHQCTCIDGAVGC- 130
DB 589 IKCREASASAGPILSGTC-----LTVGDHGHKNRESWHGDCR--ECYCLNGREWCA 639
QY 131 IPLCPQLSLPNLGCPNPLVKGTCCEWVCDSESIKDPMEDDQGLLKGELGPDASEV 190
DB 640 LITCP-----VP--ACGNPTI--HFGQCCPS--CADD-----PVVQKP 671
QY 191 ELTRNNELIANGKRSILKLPVFGMEPRILYNPLQGGKCIQVQTSW-----SQCSKTCGT 245
DB 672 ELS-----TPSICHAP--GGYFVEGETWNIDSCTQC--TCHS 705
QY 246 GISTRVTNDNPNPECLRVKTRICEVRPC-----GQPVYSSLKKGKCKSKTK 290
DB 706 G-----RVLCETEVCPLLCQNPSTQDSCCPOCTDQPPRPSLSRNNNSVPNYC 753
QY 291 KSPPEPVFTAGLSVKYRKYCGSV-----DGRCCCTPQ 326
DB 754 KNDEGDIF-----LAAESWKPDVCTSCICIDSVLSCFSESCPSVSCERPVLKGGCCPYC 808
QY 327 LTRTVGRFRCE-DGETFSKNVMM-IOSCKKNY-----NCP 360
DB 809 IEDTIPKKVWCHFGSKAYABERWDLDSCTCHYCLQGQTLCTSTVSCP 855

RESULT 11
US-10-055-877-212
Sequence 212, Application US/10055877
Publication No. US20050288241A1
GENERAL INFORMATION:
APPLICANT: DeCristofaro, Marc
APPLICANT: Padigaru, Muralidhara
APPLICANT: Miller, Charles

APPLICANT: Tchernev, Velizar
APPLICANT: Zhong, Mei
APPLICANT: Anderson, David
APPLICANT: Ballinger, Robert
APPLICANT: Gerlach, Valerie
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Guo, Xiaojia
APPLICANT: Zerhusen, Bryan
APPLICANT: Andrew, David
APPLICANT: Mezes, Peter
APPLICANT: Patturajan, Meera
APPLICANT: Burgess, Catherine
APPLICANT: Eisen, Andrew
APPLICANT: Wolenc, Adam
APPLICANT: Baumgartner, Jason
APPLICANT: Shinkets, Richard
APPLICANT: Gusev, Vladimir
APPLICANT: Vernet, Corine
APPLICANT: Taupier Jr., Raymond
APPLICANT: Pena, Carol
APPLICANT: Shenoy, Suresh
APPLICANT: Li, Li
APPLICANT: Casman, Stacie
APPLICANT: Boldog, Ference
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-23
PRIOR FILING DATE: 2001-01-23
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-26
PRIOR FILING DATE: 2001-01-26
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-03-02
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 212
LENGTH: 1664
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-10-055-877-212

Query Match 8.0%; Score 169; DB 6; Length 1664;
Best Local Similarity 24.3%; Pred. No. 6.4e-07;
Matches 93; Conservative 34; Mismatches 144; Indels 112; Gaps 22;

Qy 26 CPAACHCFLAP-----KCAPG-----VGLVRDGGCKKCAKQLNEDCSK 66
Db 985 CKGICQNGATCDSTVSGCEGRGKCCDRPCPDG--RFGGCAICDCTTNDTSM 1042

Qy 67 TOP-----CDHTKGLNCFNFGASSTALKGICRAQSEGRPCENSR1YQNGESFPQNCQHQCT 122
Db 1043 YNPFVARDCHVTG-ECR-----CPAGWTGPDQCTSCPLGRHGE-----GCRHSCQ 1086

Qy 123 CIDGAVGICPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVDESDIKDPMDQDGLLQKE 182

Db 1087 CSNGA-----SCDRVTGF--CDCPSGFMGKNCESECPEGLMGSNCMKHCLCHGGECKNK 1139
Qy 183 LGPDASEVELTRNNELIATVAGKRSKRLPVGMPEPRIL---YNPLQKQKCIIVQT----- 233
Db 1140 NG-----DCECIDGWTGSPCEFLCPGQGRNCAQRNCNKGASCDRKTGTRECL 1189
Qy 234 TSWG--QCSKTCGTGISTRTVNDNPECLRVKTRICEVRPCGPVYSLK-----KGKKC 286
Db 1190 PWSGEGHCEKSCVSG-----HYGAKC---EETCEENGALCDPISGHSCSQPGWRGKKC 1240
Qy 287 SKTKKSPPEVPTVAGCLSVKKYRKYCG-----SC---VDGRCTTPOLITVTVWRF 335
Db 1241 NRP-----CL--KGYFRHCSQSCRCANSKSCDHISGRQCQPKGYAGHSCTE 1285
Qy 336 RCEDGETFSKNVMIQSCKKNYN 358
Db 1286 LCPDG-TFGSCS--QKDCDGEN 1305

RESULT 12
US-11-067-121-7
; Sequence 7, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1028
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-067-121-7

Query Match 8.0%; Score 168.5; DB 7; Length 1028;
Best Local Similarity 21.5%; Pred. No. 4.2e-07;
Matches 92; Conservative 43; Mismatches 132; Indels 161; Gaps 24;

Qy 16 LHLRLALSTCP-----AACHCFLAPKCAP-----GVGLVRD--GGCCCKVC 56
Db 497 LGLKRACTLDPCFGFLTDVHNCCLQCRRPKKCRPTMCDKFCPLGLKKNHGGCDICR-C 555

Qy 57 AKQLNEDCSKTQP-----CDHTKGLNCFNFGASSTALKGICRAQSEGRPCENSR1Y 107
Db 556 KKPCLPCKICPLGFOODSHGCLICKREVPPSAGPPVLSGTCLSM-----DGHH 607

Qy 108 QNGESFPQNCQHQCTCIDGAVGC--IPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVDE 166
Db 608 KNESEWHDGCR-ECYCHNGKEMCALITCP---VPACGNPTIR---SGQCCPS--CTDD 656

Qy 167 SIKDPMEDQDGLLKGELGFDASEVELTRNNELIATVAGKRSKRLPVGMPEPRILYNPLOG 226
Db 657 -----FVQKPELS-----TFPICHAP--G 674

Qy 227 QKCIIVTTSW-----SQSKTCGTGISTRTVNDNPECLRVKTRICEVRPCGPVYSLK 281
Db 675 GEYFVEGETWNIDSTQC--TCHSG-----RVLCEVECPPLCQNPSTQDS 720

Qy 282 KGKKCKSKTKKSPBPV-----RFTYAGC-----LSVKYRKYRKYCGSCV----- 318
Db 721 CCQPC--TDDPPQPSSTSHNESVPSYCNDEGDIPLAAESWKPDACTSCVCVDSAISCYSE 778

Qy 319 -----DGRCTPQLTRTVKWRFRCP--DGTFFSKNVM--IQSKCKNY----- 357
Db 779 SCPSVACERPVLRKQCCPYCLEDTTIPKKVVFSGKTYADEERWDIDSCYCLQGGT 838

QY 358 -----NCP 360
| : |
Db 839 LCSTVSCP 846

RESULT 13

US-10-453-372-886
; Sequence 886, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 886
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-886

Query Match 7.5%; Score 158; DB 6; Length 1547;
Best Local Similarity 24.0%; Pred. No. 5.3e-06;
Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPLKAPKAPGVLRDGGCGCKVKAKQLNEDCKSTQP-----CDHTKGLBC 78
Db 1193 CAQMCCQGENFACHPAT-----GTCSAAGYHGFSQQRCPPRGYFGCEQLCG--C 1243
QY 79 NFGASSTALKGICRAQSEGRPCYNSRIYQNGESFQPCNQHCQCTCIDGAVGCI-----L 133
Db 1244 LNGGSCDAATGACRCPTGFLGTDNLTCPQG--RFGPNCTHVGCGQGA-ACDPVTGTCL 1300
QY 134 CQQLSLP-----NLGCPNPLVKVTGQCCEWV-CDSDIKDPMEDQDGLLKGELDP 185
Db 1301 CP-----PGRAGVRCERGCPQNR-----GVGCEHTCSCRNGGL---CHASNGSCSGLGLW 1348
QY 186 DASEVELTRNNELIAGKRSKRLKLPVFGMEPRILYNPLQGQKIVQTT--SWSQCKTC 243
Db 1349 TGRHCEL-----ACPPGR-----YGAACHLECSCHNSTCEPAT 1382
QY 244 GTGISTRVTNDNPECLVKETRICVVRPCGQPPYSSLKKGKCKTKSPBPVRFYIAC 303
Db 1383 GT-----CR-----CGPGY-----GQAC-----EHPCPPGPHGASC 1409
QY 304 LSVKRYRPKYGSC-----VDGRCCTPOLTRTVNRFCEDGTFPSKNVMIQSC 353
Db 1410 Q-----GLCWQHGAQPCDPIGRCLCPAGPHGFCERGCPEG-SFGEGCH--QRC 1456

QY 354 KONTNCP 360
| : |
Db 1457 DCDGGAP 1463

RESULT 14

US-10-055-877-54
; Sequence 54, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: DeCristofaro, Marc
; APPLICANT: Padigaru, Muraidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberley
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eisen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 1577
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-54

Query Match

7.5%; Score 158; DB 6; Length 1577;

Best Local Similarity 24.0%; Pred. No. 5.4e-06;
Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPLAPKCAPGVGLVRDGGCCCKVCAKQLNEDCSKTQP-----CDHTKGLGC 78
Db 1223 CAQMCCPCGPNPACHPAT-----GTCSAAGYHGSPSCQQRCPGRYGGCEQLCG--C 1273
QY 79 NFGASSTALKGICRAQSEGRPCRYNSRIYQNGESFOPNCHQCTCIDGAVGCIIP-----L 133
Db 1274 LMGSSCDAATGACRCPTGFLGTDCLNLTCPQG--RFGPNCTHVCGCGQGA-ACDPVTGTCL 1330
QY 134 CPQELSLP-----NLGCPNRLVKVTGCCCEWV-CDEDSIKDPMEDODGLLGKELGP 185
Db 1331 CP-----PGRAGVRCERGCPQNR-----GVGCEHTCSCNNGSL-----CHASNGSCSGLGW 1378
QY 186 DASEVELTRNNELIAGVGRSLKRLPVFGMEPRILYNPLQGQKCIQVTT--SWSQCSKTC 243
Db 1379 TGRHCEL-----ACPPGR-----YGAACHLECSCHNNSTCEPAT 1412
QY 244 GTGISTRVTNDNPECLVKETRICVPCGQPVYSSLKGGKCKTKKSPBPVRYAGC 303
Db 1413 GT-----CR-----CGPGFY-----GQAC-----EHPCPPGFHGAGC 1439
QY 304 LSVKRYRKYCGSC-----VDGRCTPQLTRTVKMRFRCEBDGETFSKNVMMIQSC 353
Db 1440 Q-----GLWCQHGAPCDPISGRCLCPAGFHGHFCERGCCEPG-SFGECH--QRC 1486
QY 354 KYNYNCP 360
Db 1487 DCDGGAP 1493

RESULT 15
US-10-453-372-882
; Sequence 882, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alcobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 882
; LENGTH: 1577
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-882

Query Match 7.5%; Score 158; DB 6; Length 1577;
Best Local Similarity 24.0%; Pred. No. 5.4e-06;

Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPLAPKCAPGVGLVRDGGCCCKVCAKQLNEDCSKTQP-----CDHTKGLGC 78
Db 1223 CAQMCCPCGPNPACHPAT-----GTCSAAGYHGSPSCQQRCPGRYGGCEQLCG--C 1273
QY 79 NFGASSTALKGICRAQSEGRPCRYNSRIYQNGESFOPNCHQCTCIDGAVGCIIP-----L 133
Db 1274 LMGSSCDAATGACRCPTGFLGTDCLNLTCPQG--RFGPNCTHVCGCGQGA-ACDPVTGTCL 1330
QY 134 CPQELSLP-----NLGCPNRLVKVTGCCCEWV-CDEDSIKDPMEDODGLLGKELGP 185
Db 1331 CP-----PGRAGVRCERGCPQNR-----GVGCEHTCSCNNGSL-----CHASNGSCSGLGW 1378
QY 186 DASEVELTRNNELIAGVGRSLKRLPVFGMEPRILYNPLQGQKCIQVTT--SWSQCSKTC 243
Db 1379 TGRHCEL-----ACPPGR-----YGAACHLECSCHNNSTCEPAT 1412
QY 244 GTGISTRVTNDNPECLVKETRICVPCGQPVYSSLKGGKCKTKKSPBPVRYAGC 303
Db 1413 GT-----CR-----CGPGFY-----GQAC-----EHPCPPGFHGAGC 1439
QY 304 LSVKRYRKYCGSC-----VDGRCTPQLTRTVKMRFRCEBDGETFSKNVMMIQSC 353
Db 1440 Q-----GLWCQHGAPCDPISGRCLCPAGFHGHFCERGCCEPG-SFGECH--QRC 1486
QY 354 KYNYNCP 360
Db 1487 DCDGGAP 1493

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